ELECTRONIC X Y PLOTTER SPECIFICATIONS

Declass Review, NIMA/DoD

PLOTTING SURFACE

Plotting Area: Maximum useable plotting area of 60' x 60'

Paper Feed : Automatic roll paper feed to be under input control. Accurate positioning not required so long as sufficient paper is advanced to clear the previous plots. Paper advances required for two ranges; approximately 60' ± .05' and 30' ± .05'. Additional manual control to be on operator console.

Paper Hold : Paper or other material to be held in position by a vacuum system. Vacuum frame to be in two sections to allow use of either 30' or 60' paper. Selection of vacuum area to be manual, with on-off switch to be under input control.

PLOTTING ACCURACY (Maximum error)

Positioning
Accuracy : Plotted data to be accurate to within ± .015'. Higher accuracies desirable if they do not affect plotting speed.

Repeatability: Within ± .010' regardless of the speed, direction or distance from which the point is approached.

PLOTTING SPEEDS

Point Plots : 350 points per minute based on 1/8' spacing.

Line Plots : 500 lines per minute based on 1/8" spacing; 80 lines per minute based on 2' spacing.

Free Running
Mode : Up to 4000 points per minute.

DATA OUTPUT

Point Plot : To be accomplished by line pen, or print wheel.

Continuous
Line : Ink pen with line width not exceeding .015'. Pen to be of sufficient reliability to allow unattended operation.

DATA INPUT

STATOTHR

Real Time : To accept data directly on line from a ███████ computer. Output available in 33 output data cables consisting of a 30 bit parallel word, output accumulator, output request, and external function lines.

Manual	:	Sufficient manual input controls to be provided to simulate input for maintenance purposes. Scaling and origin offset to be under manual control.